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 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /SIDS1/gogdata/geneseq/geneseqp/AA1980.DAT:*

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Gapop 10.0 , Gapext 0.5
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Listing first 45 summaries
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76
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Y57813
W05263
                                                                                                                                                                                                                                                                                           SUMMARIES
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                                             Wnt antagonist pro
Crab metallothione
Hawksbill turtle s
Hawksbill turtle s
Tortoise shell str
Human 5' EST relat
T-lymphocyte stimu
Human epidermal pr
Drosophila Acp62F
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Wild type human in	$\mathbf{-}$		ß	insulin	n type I insu	<pre>IGF-1 receptor. H</pre>	recept	n IFG-1 rec	I receptor	I receptor			Human heregulin 2	Amino acid sequenc	Human HER-2/neu on	`			/-erbB2	Hybrid human insul	llular	uman i			insuli	Her2-GM-CSF immuno		н	ij		Mus musculus I-mfa	Human normal bladd

## ALIGNMENTS

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/note= "Xaa may
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amino acids may
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                  /label= Unknown
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      label= Unknown
                                            Unknown
                                                                                              be 9 amino acids be absent"
                                                                    be 42 amino acids
be absent"
                                                                                                   in length; some
                                                                            in
                                                                           length;
                                                                           some
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What antagonist; contraceptive; contraceptive vaccine; female primate contraception; cocyte viability.

oocyte development;

Wnt antagonist protein consensus sequence-1.

24-JUL-2000 Y70731;

(first entry)

Y70731 standard; protein; 31 AA.

insulin rece

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DE XXX
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Y57813
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                                                                                                                                                                                                                                                                                                                Query Match
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Matches 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method of female primate contraception comprising an antagonist of a Wint polypeptide, inhibiting occyte development. With polypeptides are useful for promotive maturation of a immature occyte. With polypeptides are also useful for increasing the number of mature occytes and to enhance occyte viability. The present peptide is a consensus sequence of Wint antagonist which inhibits the physiological activity of a Wint polypeptide. Antagonistic polypeptides may contain a cysteine-rich domain.
Crab metallothionein
                                           22-MAR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contraceptive composition for inhibiting occyte development in a primate comprises a Wnt polypeptide antagonist \,
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                                                                                                                        standard; protein;
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                                                                                                                                                                                                                                                                                                                  Conservative
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                                         (first entry)
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9; Mismatches
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RESULT
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         metals, particularly the separation of precious and desirable metals such as gold and uranium, from other metals such as cadmium, zinc and copper. The method can be used to facilitate the selective recovery of precious and rare metals from mineral sources where aqueous media can be used, such as in natural surface water flows, ground water and where water may be introduced. The method is suitable for well-drilling, soil and water remediation arts, mining fields, and industrial engineering. The present sequence represents a Class I metallothionein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   genus Chlamydomonas comprising reproductive genetic material comprising a nucleotide sequence capable of expressing chicken type I Metallothionein. Also described is a method of removing metal from an aqueous medium containing at least one dissolved or suspended metal. The transgenic algae are used for the selective separation of
                                                                                                      Family Chelonidae; hawksbill turtle; marine turtle; 5K protein; extraction; dithiothreitol; modifying agent; urea; reducing agent; chromatographic separation; high performance liquid chromatography;
                                       JP08269094-A
                                                              Eretmochelys sp
                                                                                                                                                             Hawksbill turtle shell-derived 15K protein.
                                                                                                                                                                                         18-AUG-1997
                                                                                                                                                                                                                    W05263;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                given in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes a transgenic algal cell (I) of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 6; 86pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Metallothionein; precious metal; p
                                                                                                                                                                                                                                                                                                                                                                                                                                                               engineering. The present sequence given in the present invention.
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                                                                                          anion
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                                                                                                                                                                                                                                              standard;
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                                                                                         exchange;
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15-OCT-1996

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Query Match
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                         Genes coding for proteins derived from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        reversed C19 column. Finally, the fraction was dissolved in Tris buffer containing 5mM DTT and 8M urea and purified by DEAE anion HPLC and HPLC using a reversed C18 column. A 5K protein was also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cellulose ion exchange chromatography in the presence of DTT and urea. The active fraction was then subjected to HPLC using a reversed C19 column. Finally, the fraction was dissolved in Tris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              turtle by mixing the powder with a pnosphate buller concalling to midithiothreitol (DTT) and 8M wrea at 4 degrees C overnight. The mixt was centrifuged and the supernatant was subjected to carboxymethylwas centrifuged with the presence of DTT and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The 15K protein was isolated from the pulverised shell of a hawksbill turtle by mixing the powder with a phosphate buffer containing 40 mM dithiothreitol (DTT) and 8M urea at 4 degrees C overnight. The mixture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Isolation of a protein ficomprises extraction and agent and a modifier
  Claim 2; Fig
                                                                WPI; 1996-512671/51.
N-PSDB; T43632.
                                                                                                                            29-MAR-1995;
                                                                                                                                                   29-MAR-1995;
                                                                                                                                                                             15-OCT-1996
                                                                                                                                                                                                    JP08266285-A
                                                                                                                                                                                                                                        Protein
                                                                                                                                                                                                                                                                          Eretmochelys
                                                                                                                                                                                                                                                                                                                Recombinant
                                                                                                                                                                                                                                                                                                                                     Hawksbill turtle shell-derived Met-15K protein
                                                                                                                                                                                                                                                                                                                                                                18-AUG-1997
                                                                                                                                                                                                                                                                                                                                                                                        W05265;
                                                                                                                                                                                                                                                                                                                                                                                                               W05265 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                obtained
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                                                                                                  (NIBE-) NIPPON BEKKO KYOKAI SH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 glcypecgvarpspvtgscnvpcvrqc 30
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                                                                                                                                                                                                                                                                                                   Chelonidae.
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                                                                                                                                                                                                                                                                                                              protein production; hawksbill turtle; 15K protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fig 6; 7pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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8pp; Japanese
                                                                                                                                                                                                                                    Location/Qualifiers
2..77
                                                                                                                                                                                                                         /label= 15K_protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        88.2%;
18.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from the shell of hawksbill turtle nd purification in presence of a rec
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                                                                                                                                                                                                                                                                                                                                                                                                               77
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                        the shell of hawksbill turtle the proteins
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RESULT
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                                                                                                                                            The present sequence represents tortoise shell structural 15K protein plates for tortoise shell materials have been developed comprising a tortoise shell 5K protein prepared by expressing a structural gene encoding the 5K protein. The invention provides artificial tortoise shell materials which can be used in traditional handicrafts such as tortoise shell work in place of natural ones which are not easily available. The resulting artificial tortoise shell materials are very similar to natural ones in texture and plasticity and in dark spotted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence represents the 15K protein derived from the shell of the hawksbill turtle, with an additional N-terminal Met residue. A recombinant vector containing a fusion gene coding for multiple, tandem copies of the protein, fused downstream of a promoter is claimed. The vector is useful for the recombinant production of 5K protein which would otherwise have to be obtained from the shell of hawksbill turtles.
                                                                                                             Sequence
                                                                                                                                                                                                                                                                                   Tortoise shell structural 5 K tortoise shell plates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         W36518 standard; Protein; 77
                                                                                                                                    patterns
                                                                                                                                                                                                                                                          Disclosure; Fig
                                                                                                                                                                                                                                                                                                                          N-PSDB; T96723
                                                                                                                                                                                                                                                                                                                                   WPI; 1997-545517/50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              artificial.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tortoise shell;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tortoise shell structural 15K protein.
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                                                                                                                                                                                                                                                                                                                                                            (NIBE-) NIPPON BEKKO KYOKAI SH
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 υ
                        5 glcypecgvarpspvtgscnvpcvrqc 31
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glcypecgvarpspvtgscnvpcvrqc
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18.5%;
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18.5%;
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Pred. No.
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Pred.
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                                                Mismatches
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CC sequences, corresponding to human secreted proteins. Y64438
CC represent the EST-related proteins corresponding to Z4265 to Z43052.
CC The 5' ESTs can be used for producing secreted human gene products.
CC They can be used to identify and isolate 5' untranslated regions (UTRs)
CC and upstream regulatory regions which control the location, development
CC stage, rate, and quantity of protein synthesis, as well as stability of
CC obtain full length cDNA clones. The ESTs can also be used in forensic
CC cobtain full length cDNA clones. The ESTs can also be used in forensic
CC procedures to identify individuals, or in diagnostic procedures to
CC identify individuals having genetic diseases resulting from abnormal
CC gene expression. The products may also be used in gene therapy protocols.
CC The nucleic acids encoding signal apptides can be used for directing
CC extracellular secretion of a polypeptide or the insertion of a
CC polypeptide into a membrane, or importing a polypeptide into a cell.
CC The proteins encoded by the EST sequences may be useful in treating a
                                                                                 Query Match
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                                                                 Matches
                                                                                                                                                                            variety of human conditions. Secreted proteins hand the identification of new secreted proteins Z42264 and Y64644 to Y64650 represent sequences exemplification of the present invention.
                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; 5' EST; expressed sequence tag; secreted protein; diagnosis; gene therapy; chromosome mapping; upstream regulatory sequence; forensic; location; development; protein synthesis; stability;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Dumas Milne Edwards
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                                                              Local Similarity
nes 5; Conserv
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hlcvcmcvcmcvhlcvcmcvcvcasvc 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              secreted protein 5' expressed sequence tag sequences used in ostic, forensic, gene therapy, and chromosome mapping procedures
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5' EST related polypeptide SEQ ID NO:1107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   242560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Page 688; 837pp; English.
                                                                                                                                                  79
                                                               Conservative
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98US-0069047
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                                                                          88.2%;
18.5%;
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                                                                          Score 67;
Pred. No.
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R84086
                                                                                                                                                                                                                                                                                                                                                                    Elmeria protozoans are the cause of coccidiosis in chickens. The DNA encoding this sequence may be attached to a suitable promoter and used in a recombinant vector in the production of a vaccine for the protection of poultry against coccidiosis. Fragments of this sequence may also be used as probes to detect Eimeria-related nucleic acid in tissue. Due to poor print quality in the specification, this sequence is a "best guess" based on the corresponding DNA sequence is a
                    dyshidrotic eczema; cell proliferative disorder; actinic keratosis; arteriosclerosis; autoimmune disorder; inflammatory disorder; acquired immune deficiency syndrome; AIDS; Addison's disease; antiH
          dermatological; anitarteriosclerotic; antiinflammatory;
                                                            Human epidermal protein-3; HEPI; epithelial disorder; scabies,
                                                                                                                23-MAY-2000
                                                                                                                                                                   Y44986 standard; Protein; 110 AA.
                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DNA encoding Eimeria T-lymphocyte stimulatory protein vaccines to protect poultry against coccidiosis, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1996-210114/22
N-PSDB; T14351.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E. maxima; T-lymphocyte stimulatory protein; Elmeria; protozoan; coccidiosis; chicken; vaccine; poultry; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             T-lymphocyte stimulatory protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  prods. for diagnosis of Eimeria infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bumstead JM,
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                                                                                                                                                                                                                                                                                                                                                   109 AA;
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18.5%;
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Pred. No.
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RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                            95% identity with human skin specific protein. Recombinant vectors comprising HEPI CDNA are introduced into host cells for protein expression. The HEPI proteins are useful for the treatment of epithelial disorders, including dyshidrotic eczema and scabies, cell proliferative disorders including actinic keratosis and arteriosclerosis, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is human epidermal protein-3 (HEPI) expressed proliferating skin tissues. This protein is derived from COLNNOT27 library and comprises small proline rich protein repeats. HEPI-3 st
                                             Accessory gland protein; caterpillar; development
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New human epidermal proteins (HEPI-1) to (HEPI-6) useful for the diagnosis, treatment and prevention of epithelial, cell proliferative, and autolumnume inflammatory disorders
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07-DEC-1998;
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                      Drosophila melanogaster
                                                                                                            09-SEP-1999
                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                with altered HEPI expression
                                                                                                                                                                                                                                                                                                                                                                                      autoimmune/inflammatory disorders like acquired immune deficiency syndrome (AIDS) and Addison's disease. Pharmaceutical compositions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Fig 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and autoimmune inflammatory disorders
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                                                                                                                                                                                                                                                                                                                                                                             comprising HEPI
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                                                                                                                                                                                                                                                                           14 pkcppkctpkcppkcppqcpapc 40
                                                                                                                                                                                                                                                2000-195295/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lal P,
                                                                                                                                                                                                                                                                                                                                        110 AA;
                                                                                 Acp62F protein.
                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98US-0155203
98US-0155254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99WO-US17107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      66..69
                                                                                                                                                                                                                                                                                                                                                                            proteins are useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Potential phosphorylation site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Corley NC,
                                                                                                                                                                                                                                                                                      88.2%;
18.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Glycosaminoglycan attachment site"
                                            inhibitor; insect pest; plant protection
                                                          Acp;
                                                                                                                                                                                                                                                                         22;
                                                                                                                                                                                                                                                                                      Score 67; Pred. No.
                                                         toxin; insecticide; Drosophila; mating;
                                                                                                                                                              A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Guegler KJ,
                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                      1.2e+02;
                                                                                                                                                                                                                                                                                                    DB 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patterson C,
                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                                                Length 110;
                                                                                                                                                                                                                                                                                                                                                                            disorders
                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Baughn MR;
                                                                                                                                                                                                                                                                                                                                                                            associated
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RESULT
Y91429
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Best Local
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                                                                                                                                                                                                       lymphoma; demyelinating disease; autoimmunity; cancer; inflammation; aneurysm; haemorrhage; Alzhelmer's disease; Parkinson's disease; Huntington's disease; Tourette syndrome; multiple sclerosis; meningitis; ischaemia; mania; dementia; obsessive compulsive disorder; viral prophylaxis; developmental disorder; sexually-linked disorder;
                                                                                                                                                                                                                                                             neural; reproductive; immune disorder; immunodeficiency; infection; lymphoma; demyelinating disease; autoimmunity; cancer; inflammation;
                                                                                                                                                                                                                                                                                   anti-microbial; cardiant; cytostatic; antiinflammatory; haemostatic; anticonvulsant; vasotropic; vaccine; gene therapy; anti-sense therapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This sequence is a Drosophila melanogaster accessory gland protein (Acp) of the invention. A particular Acp, designated Acp62F, is toxinsects, particularly to Drosophila and catterpillars, and it (or wee that express it) can be used to kill or inhibit development of insecpests, for plant protection. More generally detection of Acp's in a female fruit fly is indicative of recent mating.
Moore PA,
                                                  25-AUG-1998;
31-AUG-1998;
                                                                                                                   02-MAR-2000
                                                                                                                                                                                                                                                                                                                  neuroleptic; antimanic; cerebroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim
                         (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                            WO200011014-A1
                                                                                                                                                                                                cardiovascular
                                                                                                                                                                                                                                                                                                                            Human; secreted protein; diagnosis; neuroprotective; nootropic;
                                                                                                                                                                                                                                                                                                                                                                                 29-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                           Y91429
                                                                                                                                                                                                                                                                                                                                                                                                                                     Y91429 standard; Protein; 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid encoding accessory gland proteins of Drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23-DEC-1998;
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                                                                                                                                                                                                                                                                                                                                                        secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity 5; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORNELL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Page 12;
Ruben SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      115 AA;
                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                  98US-0097917.
98US-0098634.
                                                                                                                                                                                                                                                                                                                                                      protein sequence encoded by gene 21
                                                                                                                                                                                                disorder;
                                                                                         99WO-US19330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      97US-0071315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   88.2%;
18.5%;
Olsen HS,
                                                                                                                                                                                             food additive; preservative.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 67;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                     AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28
Shi Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 20;
Rosen CA,
                                                                                                                                                                                                                                                                                                                 immunomodulatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 115;
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                                                                                                                                                                                                                                                                                                                                                       SEQ
Florence
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ΚA,
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R26820
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
  De Beuckeleer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ischaemia; prostate cancer; mania; dementia; obsessive compulsive disorder and viral prophylaxis. The polynucleotides and proteins can also be used in the detection of disorders associated with the function of the protein, for example, the detection of developmental disorders, sexually-linked disorders, or disorders of the cardiovascular system. They may also be used as food additives or preservatives. A26272 to A26280 and Y91345 are sequences used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           treat or ameliorate a medical condition, e.g. by protein or gene therapy. Conditions treatable by the proteins of the invention include neural, reproductive, or immune disorders, infection, lymphomas, demyelinating diseases, auto-immunities, cancer, general microbial infection, inflammation, aneurysms and haemorrhages. Specific examples include: Alzheimer's disease; Parkinson's;
                                                     (PLBZ ) PLANT
                                                                                                     07-FEB-1991;
28-JUN-1991;
                                                                                                                                                                                     05-FEB-1992;
                                                                                                                                                                                                                                     20-AUG-1992
                                                                                                                                                                                                                                                                                       W09213957-A
                                                                                                                                                                                                                                                                                                                                       Zea mays
                                                                                                                                                                                                                                                                                                                                                                                          amplify.
                                                                                                                                                                                                                                                                                                                                                                                                                  Corn; stamen-specific;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CA455 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-FEB-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R26820 standard; Protein; 138 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antimanic; cerebroprotective; immunomodulatory; anti-microbial; cardiant; cytostatic; antiinflammatory; haemostatic; anticonvulsant; and vasotropic. The polynucleotides and proteins may be used to prevent,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Examples of the activities are: neuroprotective; nootropic; neuroleptic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             can have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     secreted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel secreted proteins and corresponding DNA molecules that can be used to prevent, treat and diagnose disease in humans, for example,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Soppet DR,
Duan RD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Huntington's; Tourette syndrome; multiple sclerosis; meningitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-224656/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 gmcmcvcacvyacmlmhvcvhaclcvc 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      polynucleotide sequences given in A26281 to A26336 encode the human reted proteins given in Y91346 to Y91449. The human secreted proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      similarity 18.5%;
5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   proteins given in Y91346 to Y91449. The human secreted protein activities based on the tissues and cells they are expressed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      135 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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  Z
                                                     GENETIC SYSTEMS
                                                                                                     91EP-0400300.
91EP-0401787.
                                                                                                                                                                                  92WO-EP00275
  Gossele V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DW,
                                                                                                                                                                                                                                                                                                                                                                                                            tassel spikelets; CA444; CA455; probe; PCR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22;
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Pred. No. 1.5e
22; Mismatches
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  Herdies
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0;
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Mariani
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RESULT
P70057
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Best Local
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       The sequence of the human insulin receptor is provided for comparison with the cysteine-rich region of furin. Furin is strongly expressed in specific types of tumors and labelled RNA or DNA probes of the fur gene and antibodies against furin can be used for diagnostic purposes. (See also N70061, N70062, N70060, P70056 and P70058)
                                                                                                Disclosure; Fig 10; 24pp;
                                                                                                                                      Recombinant DNA containing protein and antibodies and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            promoter sequence. This vector can be used to transform the nuclear genome of a cell of a plant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The sequence given is encoded by a male flower-specific cDNA sequence isolated from corn. The cDNA sequence was isolated by using probes based on the gene core region. The cDNA sequence can be used in a foreign, chimeric DNA sequence containing a male-sterility DNA or a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anther-specific promoters - for control of expression of male-sterile or male fertility-restorer DNA in monocots wheat or corn
                                                                                                                           tumours
                                                                                                                                                                           WPI; 1987-328946/47
                                                                                                                                                                                                    Schalken
                                                                                                                                                                                                                 Roenroek
                                                                                                                                                                                                                             Van de Ven WJM,
                                                                                                                                                                                                                                                                               20-MAY-1986;
                                                                                                                                                                                                                                                                                                      19-MAY-1987;
                                                                                                                                                                                                                                                                                                                               25-NOV-1987
                                                                                                                                                                                                                                                                                                                                                       EP246709-A.
                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                         Furin; insulin receptor; tumor diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                 Human insulin receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                           27-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   P70057;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P70057 standard; protein; 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     male-fertility restorer DNA under the transcriptional control of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 31-33; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1992-300043/36.
N-PSDB; Q27949.
                                                                                                                                                                                                                                                      (UYKA-) KATHOLIEKE UNIV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              foreign,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      112 mlcgkgctlsahskcaakctkscvptc 138
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
les 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               138 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                               86NL-0001271
                                                                                                                                                                                                                                                                                                     87EP-0200940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88.2%;
18.5%;
                                                                                                English
                                                                                                                                    the fur gene - used as a diagnostic aid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 67;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 13;
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                                                                                                                                      in the detection of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 138;
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                                          Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                        therapy vectors), or are used in a preparation for cancer treatment. (I) is also used for the generation of specific antibodies. (II) are identified by assembling ESTs (expressed sequence tags) from a particular tissue type before comparison of expression patterns. This allows a significantly longer fragment of the gene to be revealed, and therefore reduces the number of failures because of ESTs from different libraries representing different parts of the same unknown gene distorting the estimated frequency of occurrence in a particular tissue. Y60319-Y60591 represent protein fragments encoded by the human normal bladder tissue cDNA library derived EST fragments represented in Z42122-Z42248.
                                                                                                                                                                                                                                                                      This invention describes novel polypeptide fragment sequences (I) and their encoding nucleic acids (II) which are highly expressed in normal bladder tissue and have cytostatic activity. (II) are used for recombinant expression of (I) and to isolate complete genes. (I) are used to identify agents suitable for the treatment of bladder tumours, to directly treat this form of cancer (including expression from gene therapy vectors), or are used in a preparation for cancer treatment. (I)
                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                                                                                             Claim 23; Page 338; 366pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptides and their nucleic acids, useful for treatment bladder tumour and identification of therapeutic agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-602416/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (META-) METAGEN GES GENOMFORSCHUNG MBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-APR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DE19818620-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; bladder; treatment; EST; expressed sequence tag; cytostatic;
cancer; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human normal bladder tissue EST encoded protein 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Y60558;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Y60558 standard; Protein; 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13
                2 XXCXXXCXXXXXXXXXXXXXXXXXXXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 kvcptickshgctaeglcchseclgnc 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
5; Conserv
                                                                                                                   169 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       149
                                             Conservative
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                                                         88.2%;
18.5%;
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18.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hinzmann B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22;
                                           Score 67; DB 20;
Pred. No. 1.9e+02;
2; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 67; DB %; Fred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ΑA
                28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schmitt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Α,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 149
                                                                     Length 169;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                           Indels
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                                           0;
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                                                                                                                                                                                                                               Query Match
Best Local Similarity
Whiches 5; Conserve
 XXX DXX AX
                                                                                                                              RESULT 15
W15286
                                                                                                                                                                                        g
                                                                                                                                                                                                                  QΥ
                                                                                                                                                                                                                                                                                                                   Ъ
                                                                                                                                                                                                                                                                                                                                                            to treat, model and diagnose defects in myogenesis responsible for abnormal development and disease conditions in mammals, including humans. These include the human disease cleidocranial displasia (CDD), rhabdomyosarcomas and other cancers affecting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                I-mfa; inhibitor of MyoD family; treatment; diagnosis; myogenesi defects; abnormal development; disease; cleidocranial dysplasia; CDD; rhabdomyosarcoma; muscle tissue cancer.
Type I insulin-like growth factor receptor; IGF-1R; tumour;
                                                                                                                W15286 standard; Protein; 516
                                                                                                                                                                                                                                                                                                                                                                                                                     The sequence is that of murine I-mfa (inhibitor of MyoD family) protein. Probes from the gene sequence can be used for determin presence of an I-mf protein or analogue, or for detecting I-mf agonist activity in a test substance. The sequence can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inhibitor of MyoD family proteins - useful for, e.g. treatment diagnosis of defects in myogenesis responsible for abnormal
                         Soluble type I insulin-like growth factor receptor
                                                         06-AUG-1997
                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                 muscle tissue in mammals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Pages 74-75; 92pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chen CMA, Groudine M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-AUG-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W53007;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           development
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-179377/16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              W53007 standard; Protein; 246 AA.
                                                                                                                                                                                     214 lpcdldcgivdaccesadcleicmecc 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HUTC-) HUTCHINSON CANCER RES CENT FRED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  57 sgccgccggppltpwqracggdcwssc
                                                                                                                                                                                                                  V21282.
                                                                                                                                                                                                                                                                                                                   246 AA;
                                                                                                                                                                                                                                                Conservative
                                                      (first entry)
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18.5%;
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                                                                                                                                                                                                                                             22;
                                                                                                                                                                                                                                                          Score 67; DB 19;
Pred. No. 2.7e+02;
                                                                                                                  A
                                                                                                                                                                                                                                              Mismatches
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                                                                                                                                                                                                                                                                        Length 246;
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determining

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melanoma; prostate cancer; ovary cancer; breast cancer; lung cancer; smooth muscle cancer; apoptosis; therapy.

Job time: 494

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                                                                                                                                         Human soluble type I insulin-like growth factor receptor (IGF-IR) (W15286), comprises an IGF-IR protein truncated at amino acid cresidue 486 of the full-length mature protein. Recombinant, Soluble IGF-IR can be expressed in transformed host cells and used in a method for inducing resistance to tumour growth in a supplemented with soluble IGF-IR protein in a diffusion chamber is supplemented with soluble IGF-IR protein in a diffusion chamber and inserting the diffusion chamber into a mammal for a therapeutically effective time. Alternatively, the tumour cells in the diffusion chamber are transfected with a nucleic acid (see also T67063) coding for soluble IGF-IR. Treatment with the soluble IGF-IR not only induces apoptosis of tumour cells but also induces a host response that kills tumour cells not expressing the soluble IGF-IR.
                                                  Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                      Soluble type I insulin-like growth factor receptor inducing resistance to tumour growth in a mammal
                                                                                                                                                                                                                                                                                                                                            Claim 3; Page 44-46; 65pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                N-PSDB; T67063.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-NOV-1995;
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213 kmcpstcgkractennecchpeclgsc 239
                          516 AA;
                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95US-0006699.
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438..440
/label= N-glycosylation_site
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135..137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /label= Mat_protein
/note= "Claim 2"
51..53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /label= N-glycosylation_site 314..316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /label= N-glycosylation_site 244..246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /label= Sig_peptide
31..516
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102..104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                 88.2%; Score 67; DB 18.5%; Pred. No. 5.5 tive 22; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ferber A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Resnicoff M;
                                                             DB 18; Length 516;
5.5e+02;
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